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## BIOLOGICAL PRODUCTS.

## ESTABLISHMENTS LICENSED FOR THE PROPAGATION AND SALE OF VIRUSES, SERUMS, TOXINS, AND ANALOGOUS PRODUCTS.

The following table contains a list of the establishments holding, on January 1, 1914, licenses issued by the Treasury Department in accordance with the act of Congress approved July 1, 1902, entitled "An act to regulate the sale of viruses, serums, toxins, and analogous products in the District of Columbia, to regulate interstate traffic in said articles, and for other purposes."

The number of the license of each firm is also given, together with the names of the several products for which licenses have been granted.

No. of license.	Establishments.	Products.
1	Parke, Davis & Co., Detroit, Mich . . . .	Diphtheria antitoxin, antigonococcic serum, antimeningococcic serum, antistreptococcic serum, antitetanic serum, antitubercle serum, tuberculins, bacterial vaccines, erysipelas and prodigious toxins, antirabic virus, vaccine virus, and modified bacterial derivatives (Schafer).
2	H. K. Mulford Co., Philadelphia, Pa. . .	Diphtheria antitoxin, antianthrax serum, antidyenteric serum, antimeningococcic serum, antipneumonic serum, antistreptococcic serum, antitetanic serum, tuberculins, vaccine virus, normal horse serum, bacterial vaccines, sensitized typhoid vaccine, sensitized streptococcic vaccine, sensitized staphylococcic vaccine, and antirabic virus.
3	Dr. H. M. Alexander & Co., Marietta, Pa.	Diphtheria antitoxin, antitetanic serum, antirabic virus, vaccine virus, and tuberculins.
5	Fluid Vaccine Co., Milwaukee, Wis. . . .	Vaccine virus.
6	The Slee Laboratories, Swiftwater, Pa. .	Diphtheria antitoxin, antimeningococcic serum, antistreptococcic serum, antitetanic serum, and vaccine virus.
8	The Cutter Laboratory, Berkeley, Cal. .	Diphtheria antitoxin, antistreptococcic serum, tuberculins, bacterial vaccines, and vaccine virus.
9	Frederick Stearns & Co., Detroit, Mich. .	Diphtheria antitoxin, streptolytic serum, and pneumolytic serum.
11	Pasteur Institute of Paris, Paris, France.	Diphtheria antitoxin, antidyenteric serum, antimeningococcic serum, antiplague serum, antistreptococcic serum, sérum antivenimeux, antitetanic serum, and antiplague vaccine.
12	Chemische Fabrik auf Actien, Berlin, Germany.	Diphtheria antitoxin and antistreptococcic serum.
14	Health Department of the City of New York.	Diphtheria antitoxin, antitetanic serum, antirabic virus, vaccine virus, tuberculin, antimeningococcic serum, and antistreptococcic serum.
16	National Vaccine and Antitoxin Institute, Washington, D. C.	Diphtheria antitoxin, vaccine virus, normal horse serum, and bacterial vaccines.
17	Lederle Antitoxin Laboratories, New York City.	Diphtheria antitoxin, antigonococcic serum, antimeningococcic serum, antipneumococcic serum, antistreptococcic serum, antitetanic serum, vaccine virus, antirabic virus, normal horse serum, antityphoid vaccine, and bacterial vaccines.

No. of license.	Establishments.	Products.
18	Burroughs, Wellcome & Co., London, England.	Diphtheria antitoxin, antigonococcic serum, antidysenteric serum, anticolon-bacillus serum, antistaphylococcic serum, antistreptococcic serum, antityphoid serum, antimeningococcic serum, normal horse serum, tuberculins, bacterial vaccines, and antitetanic serum.
19	Memorial Institute for Infectious Diseases, Chicago, Ill.	Diphtheria antitoxin.
21	Swiss Serum and Vaccine Institute, Berne, Switzerland.	Diphtheria antitoxin, antidysenteric serum, antimeningococcic serum, antipneumonic serum, antiplague serum, antistreptococcic serum, antitetanic serum, tuberculins, anticholera vaccine, antiplague vaccine, antityphoid vaccine, and bacterial vaccines.
22	Institut Bactériologique de Lyon, Lyon, France.	Antidiphtheric serum and normal goat serum.
23	Bacterio-Therapeutic Laboratory, Asheville, N. C.	Tuberculins.
24	Farbwerke, vormals Meister Lucius und Brüning, Hoechst on Main, Germany.	Diphtheria antitoxin, antidysenteric serum, antimeningococcic serum, antipneumonic serum, antistreptococcic serum, antitetanic serum, and tuberculins.
25	Tuberculin Society of St. Petersburg, St. Petersburg, Russia.	Tuberculinum purum.
27	Institut Pasteur de Lille, Lille, France..	Sérum antivenimeux.
29	The Behringwerk, Marburg, Germany..	Antitetanic serum and tuberculin.
30	Dr. G. H. Sherman, Detroit, Mich. ....	Bacterial vaccines.
31	E. Merck, Darmstadt, Germany.....	Diphtheria antitoxin, antimeningococcic serum, antipneumonic serum, antistreptococcic serum, normal horse serum (liquid and dried), jequiritol serum, tuberculins, bacterial vaccines, and leucofermantin (antitryptic sheep serum).
32	Kalle & Co., Biebrich, Germany.....	Tuberculin (Rosenbach).
33	American Biologic Co., Kansas City, Mo.	Antirabic virus.
34	The Béraneck Laboratory, Neuchatel, Switzerland.	Tuberculin (Béraneck).
35	Dr. Carl Spengler, Davos-Platz, Switzerland.	I. K. immune blood.
36	Dr. C. L. McDonald, Cleveland, Ohio..	Bacterial vaccines.
37	Western Biological Co., Kansas City, Kans.	Do.
38	Laboratorio di Terapia Sperimentale (Bruschetini), Genoa, Italy.	Tuberculosis serum-vaccine.
39	Pharmaceutisches Institut Ludwig Wilhelm Gans, Oberursel, near Frankfurt on the Main, Germany.	Antidysenteric serum.
40	Hygienic Laboratory of the California State Board of Health, Sacramento, Cal.	Antirabic virus.
41	Arkansas Pasteur Institute and Hygienic Laboratory, Little Rock, Ark.	Do.
42	Sophian-Hall-Alexander Co., Kansas City, Mo.	Diphtheria antitoxin, antigonococcic serum, antimeningococcic serum, antistreptococcic serum, antirabic virus, normal horse serum, and bacterial vaccines.
43	The Abbott Laboratories, Chicago, Ill..	Bacterial vaccines.
44	The Greeley Laboratories, New York City.	Do.
45	The Beebe Biological Laboratories, St. Paul, Minn.	Do.

No. of (license.	Establishments.	Products.
46	New York Pasteur Institute, New York City.	Antirabic virus.
47	Georgia State Board of Health, Atlanta, Ga.	Do.
48	Inoculation Department of St. Mary's Hospital, London, England.	Bacterial vaccines and pollicine.
49	Dr. W. T. McDougall, Kansas City, Kans.	Antirabic virus.
50	St. Louis Pasteur Institute, St. Louis, Mo.	Do.